NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

NAVICP CORPORATE BOARD

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

SNT

www.snt.navsup.navy.mil

Ready. Resourceful. Responsive!

MATT MULLINS
CDR, USN
24 JUNE 2003

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Outline

UNITED STATES NAVY SERIAL NUMBER TRACKING
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- SNT – How it Got Started
- Background/Overview
- ICP Impact
- Aviation Rollout
- SNT Web Page – Capabilities
- ICP Initiatives
- Concerns/issues

How SNT Got Started

Aviation Maintenance-Supply Readiness (AMSR) Review – 1998

Challenge:

- ↓ Lower Maintenance & Supply Cost

- ↑ Increase Readiness

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Other SNT Related Directives

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- DOD 4140.1-R - 5/20/03 – UII
- DUSD (L&MR) - 9/4/02 – SIM Letter
- DODD 4151.18 - 3/5/03 – Main (Draft
- DUSD (A,T&L) - 4/4/03 – UID Letter
- DOD 5000.2 – 5/12/03 - Acquisition

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Overview

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Definition: ***Closed-loop, cradle-to-grave tracking maintenance critical, serialized components, prov asset visibility and material status, and enabled b automatic identification technology***

Major Benefits:

Maintenance

- Identify Maintenance Deficiencies
- Measure Reliability
- Accurate Record Configuration
- Identify Latent Defects
- Determine Training Requirements
- Assist Engineering Investigations

Supply

- Assess Repair Turn Around Time
- Decrease Misidentification and Los
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

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SNT Consists of Two Pillars

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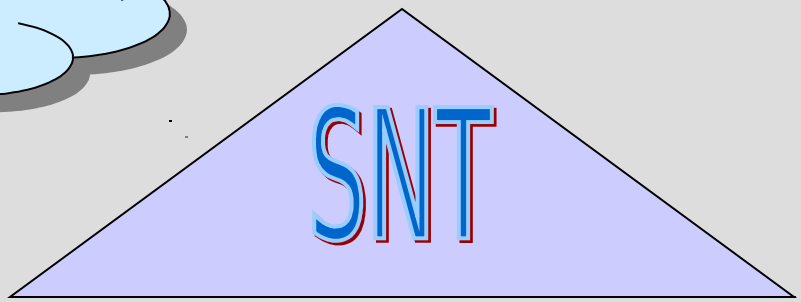
Overview

SNT requires two components



FIRST

Live access to databases via the SNT Web-enabled portal.

Data Base Access

- WMRS/A-ORS
- eRMS/WMPS
- UICP
- WEB-CAV
- CAV-ORM
- CAV-Navy
- FACTS
- OOMA/OIMA
- R-Supply
- IBS

AIT

- CMB
- 2D Data matrix
- 2D PDF417
- ISO15418/15434
- MILSTD129
- MILSTD130
- MSL
- IRRD

SECOND

Automatic Identificatio Technology (AIT) is used by the SNT to maintain data accurac

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Aviation Asset/Information Flow

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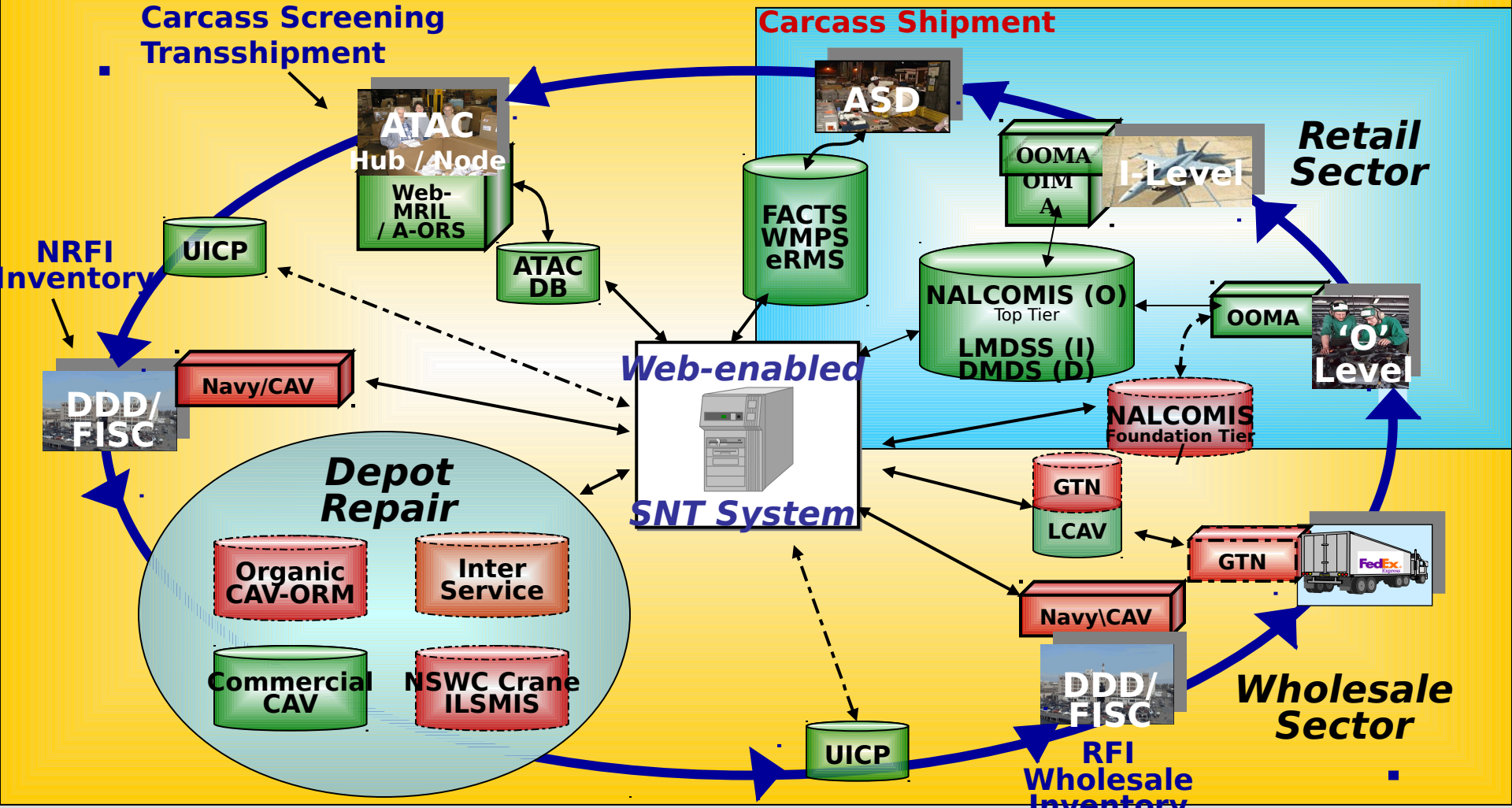
Information Systems

Overview



Connectivity | Not Connected | S/N | No | Asset Flow

H53 Contract with Sikorsky

Contract No. N00383-02-G-010N-0017
H53 Serial Number Tracking Statement of Work

CP Impact

Contractor shall be responsible for implementation of the Serial Number Tracking / Automatic Identification Technology (SNT/AIT) Program. For the pur of this contract, AIT consists of Contact Memory Buttons (CMB) and PDF 417 2 The CMB will be used on the product itself. The PDF 417 2D barcode will be us Package markings. The CMB reader/writer require the capability to write to ar from a CMB, plus read PDF 417 2D and 3 or 9 barcode.

Contracts

AIT

Package marking

Mil-Std 129 PDF417
2D
ANSI MH 10

Cage: 02059
PN:102770-351
Ser: 6694
NSN 7025011415888
CONT: N00104-98-T-0023
Name: Magnetic Tape
U/I: EA
QTY: 1

Product Marking

Nameplate Data

CMB

2D

CAGE: V23456
PN: 33489-12
NSN: 5835-01-141-5888
S/N: 45367
Cont: N00383-02-G010N-0017
Name: Main Rotor Blade

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Supply - Aviation 5 Year Plan

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Aviation Rollout

T/M/S	Total Number Aircraft	Components per Aircraft	Total Number of Components (W/ 25% spares)	Total CMB Cost	Contractor Installation Cost	Total Engineering Document Cost	Total AIT Cost
MH-53E	46	170	9,775	$152,783.25	$272,412.00	$136,000.00	$605,932.55
CH-53E	164	170	34,850	$544,705.50	$817,236.00	$136,000.00	$1,597,820.10
CH-53D	44	104	5,720	$89,403.60	$272,412.00	$83,200.00	$486,995.50
MH-60	342	300	128,250	$2,004,547.50	$3,268,944.00	$240,000.00	$5,665,423.90
[illegible]	111	400	55,500	$867,465.00	$708,271.20	$320,000.00	$1,712,510.98
EA-6A/B	26	469	9,380	$146,609.40	$163,447.20	$375,200.00	[illegible]
[illegible]	394	196	47,530	$742,893.90	$898,959.60	$156,800.00	$1,757,972.50
[illegible]	126	132	20,790	$324,947.70	$599,306.40	$105,600.00	[illegible]
[illegible]46E	280	70	20,125	$314,553.75	$926,200.80	$56,000.00	$1,383,946.57
CH/HH-46	79	70	6,913	$108,042.38	$435,859.20	$56,000.00	$609,546.56
EA-6B	124	144	22,320	$348,861.60	$1,035,165.60	$115,200.00	$1,659,147.94
MV/CV/HV-22	458	203	116,218	$1,816,479.53	$3,922,732.80	$162,400.00	$6,254,890.39
AV-8	172	921	198,015	$3,094,974.45	$871,718.40	$736,800.00	$4,899,087.53
F-14A/B/D	193	200	48,250	$754,147.50	$871,718.40	$160,000.00	$1,940,564.86
P-3's	264	75	24,750	$386,842.50	$1,797,919.20	$60,000.00	$2,452,987.68
Cargo	295	175	64,531	$1,008,623.44	$2,724,120.00	$140,000.00	$4,297,527.69
Trainers	515	129	83,044	$1,297,973.81	$817,236.00	$103,200.00	$2,399,150.46
E-2C	75	145	13,594	$212,470.31	$1,525,507.20	$116,000.00	$1,963,874.10
C-2A	38	145	6,888	$107,651.63	$217,929.60	$116,000.00	$441,500.85
F-18ABCD	745	200	186,250	$2,911,087.50	$4,794,451.20	$160,000.00	$8,327,383.34
F-18EF	548	240	164,400	$2,569,572.00	$2,179,296.00	$192,000.00	$5,205,021.20
Misc Support							$2,805,000.00
Total			1,267,091	$19,804,636.24	$29,120,842.80	$3,726,400.00	$58,211,345.83

Total # of Items marked 1,267,091

SNT Implementation Cost = $58,211,346

FY 04 Naval Aviation AIT Marking

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Aviation Rollout

Type A/C	# of Planes	Location	Squadrons	# of CMBs Per Plane	Total
F/A-18 #	745	Lemoore, CA Oceana, VA Jacksonville, FL San Diego, CA	44	240	182,525
EA-6B	124	Beaufort, SC Fallon, NV Key West, FL	19	144	15,500
V-22	20	New River, NC Pax River, MD	36	203	4060
P-3 *	264	Jacksonville	33	75	19,800

Significant rollout
*AIP = Aircraft Improvement Package

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Retrograde

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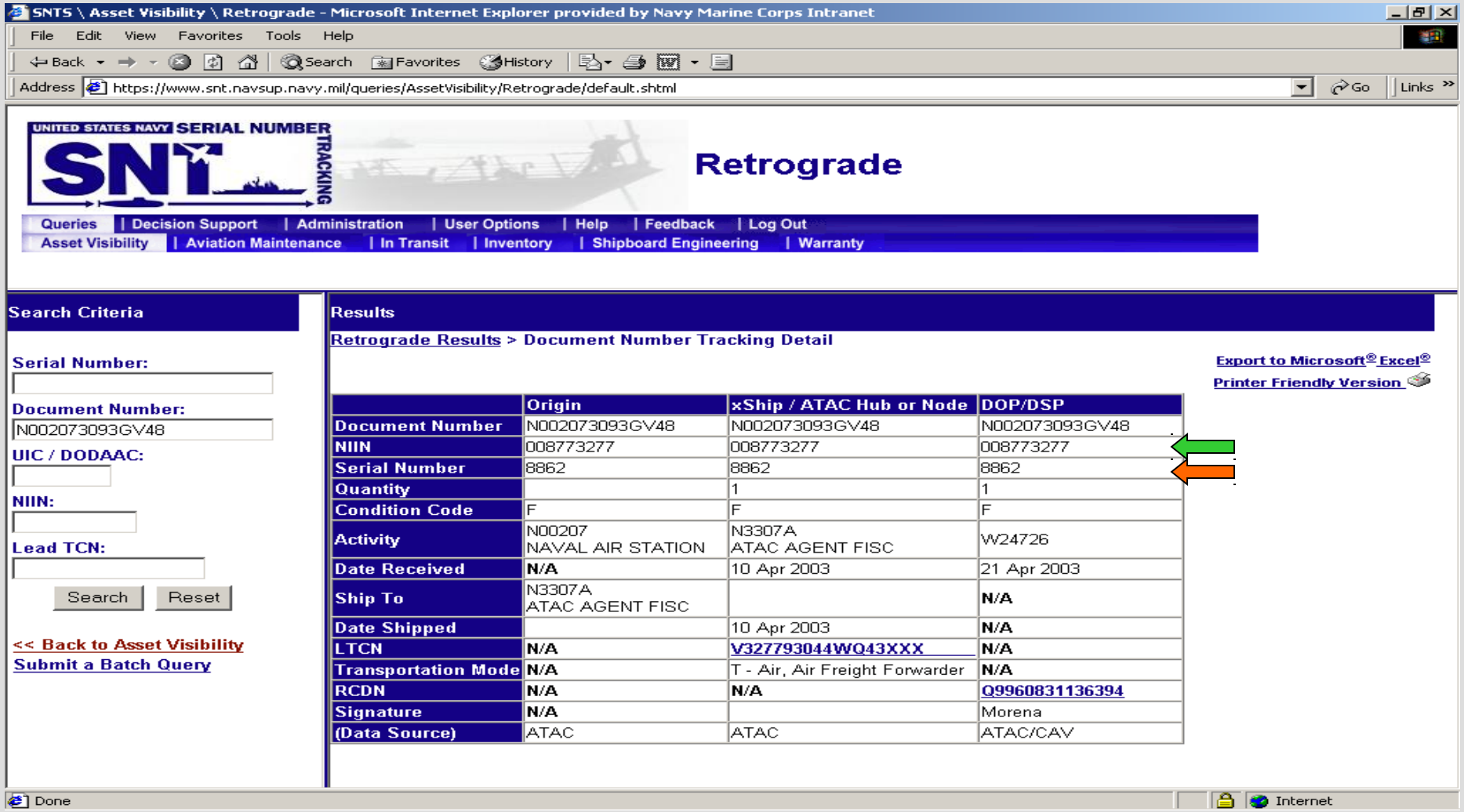
Web page



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Serial Number	8862	8862	8862
Quantity		1	1
Condition Code	F	F	F
Activity	N00207 NAVAL AIR STATION	N3307A ATAC AGENT FISC	W24726
Date Received	N/A	10 Apr 2003	21 Apr 2003
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Date Shipped		10 Apr 2003	N/A
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CAV Query

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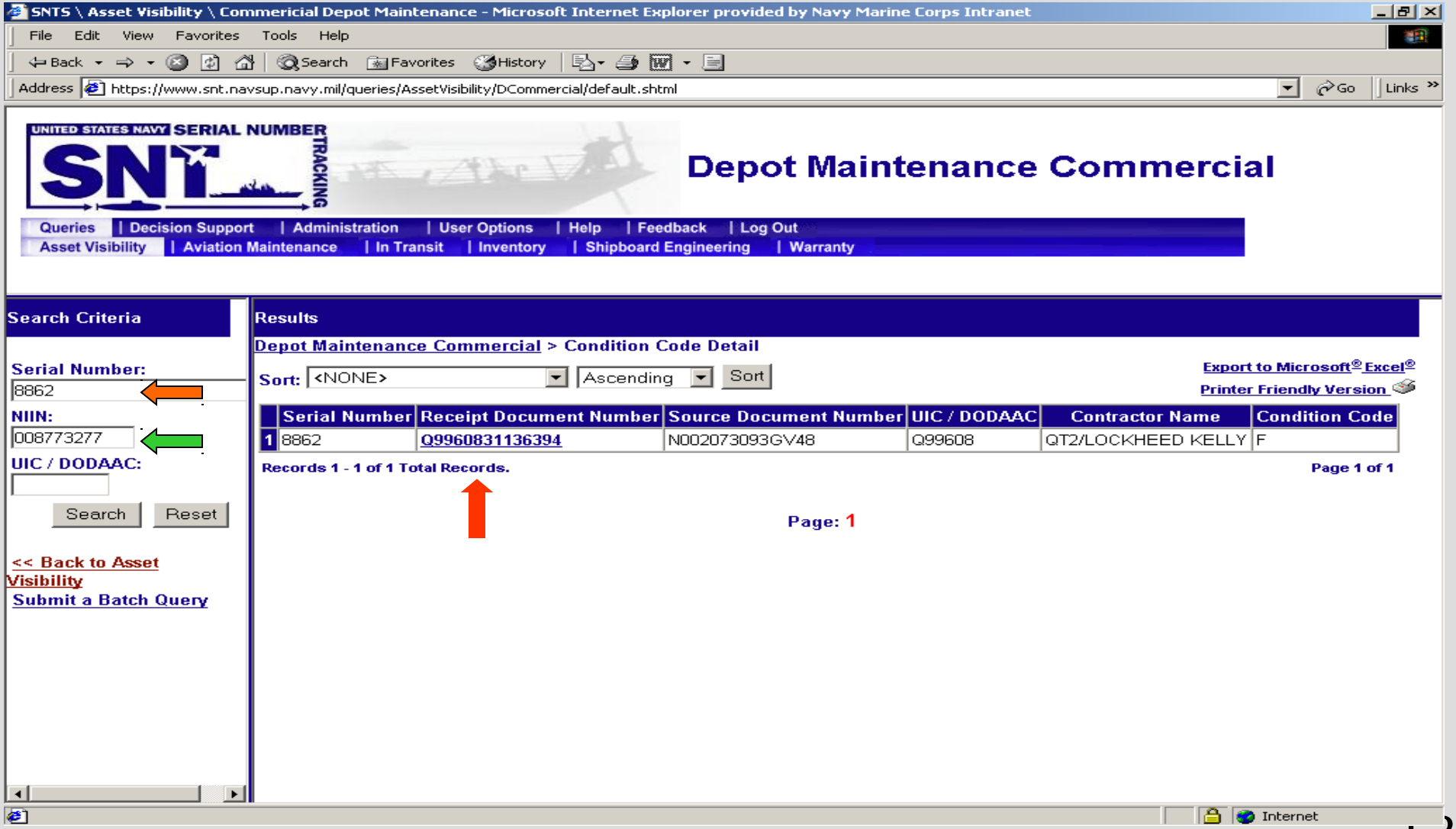
Web page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CAV - Receipt

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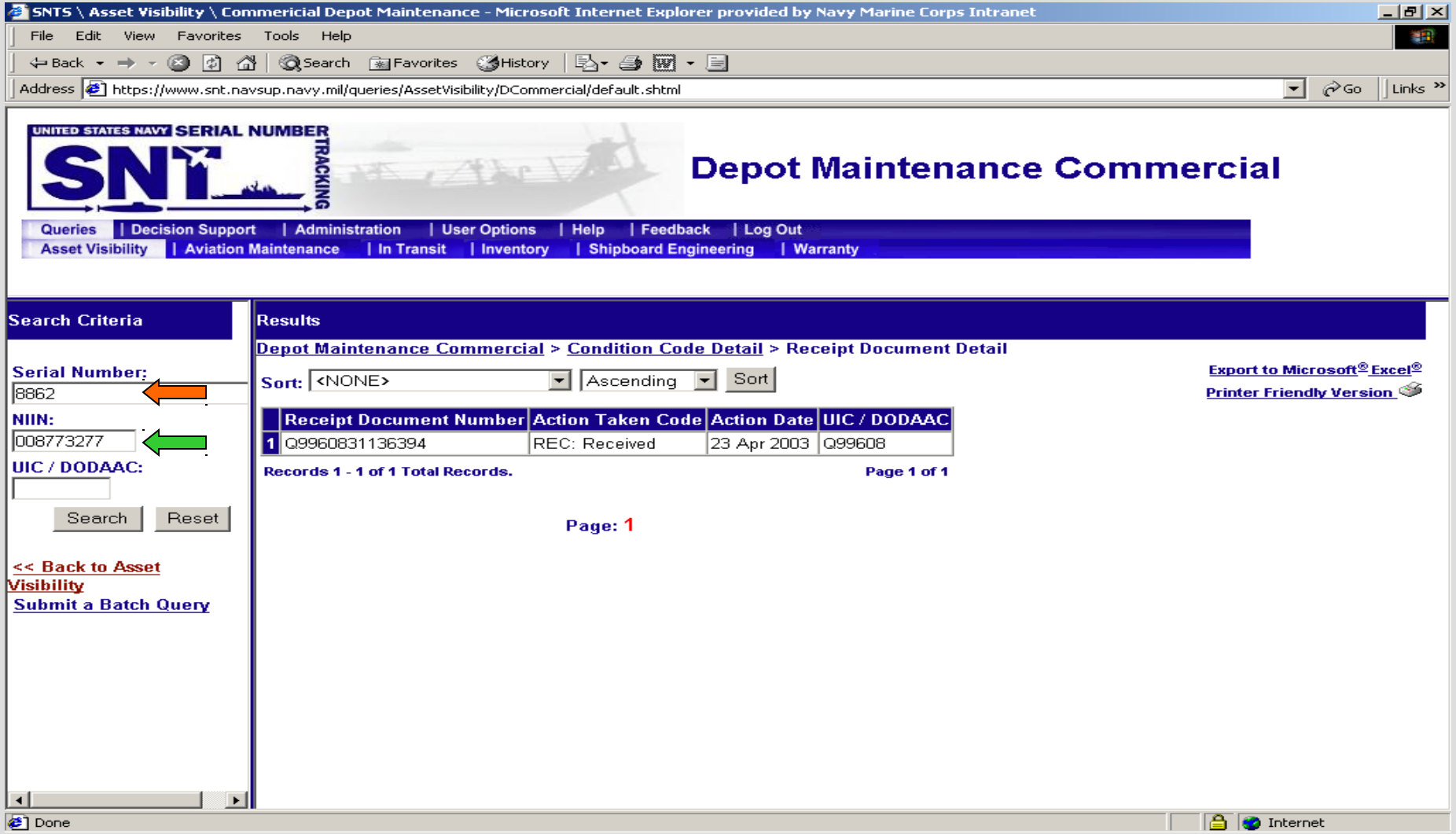
Web page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SNT Web Page Query Results

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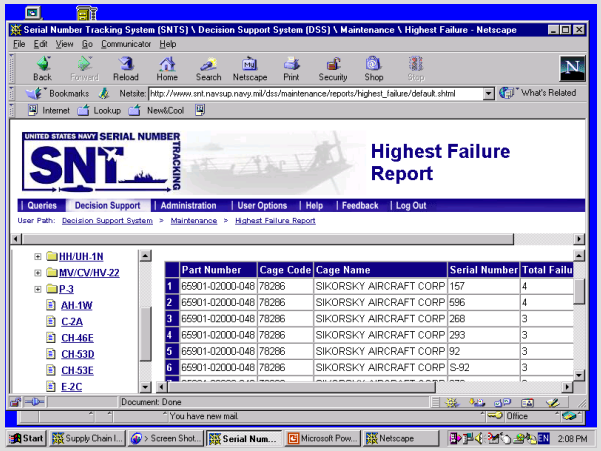
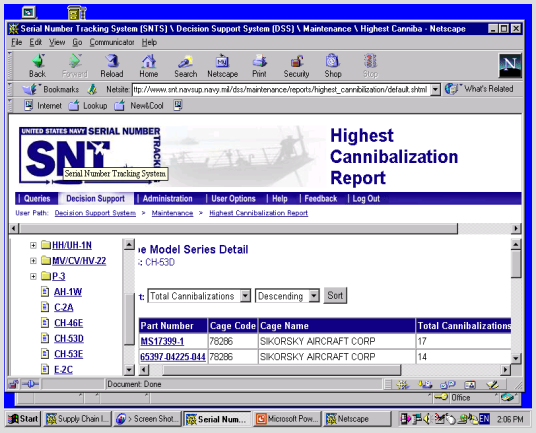
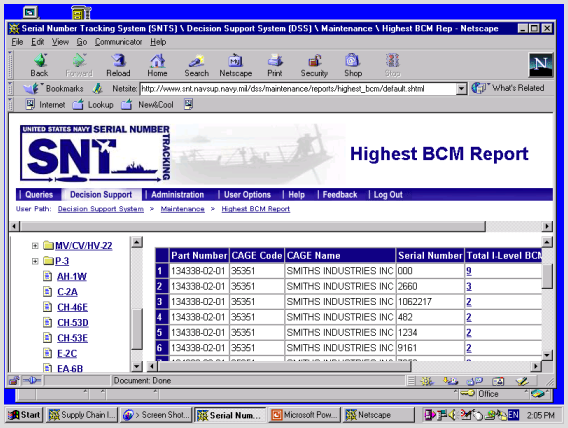
Decision Support

Generate, Collect & Analyze Maintenance Data

SNT Existing Reports







ICP Initiatives

CONTRACTS:

- Sikorsky, General Nucleonics, Breeze Eastern
- Standard Contract Language for ICP

OTHER:

- Funding to support eRMS changes - advance receipt
  - Funding to support ATAC AIT Refreshment
- NAVICP-M
  - Rapid Securing Device (RSD)
  - AN/UYQ-70
  - AEGIS tubes
    - MK92 TWT
    - BARCO ATDC monitors and COHU cameras

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SNT Issues/Concerns

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- **Transformation**
- **Server Consolidation**
- **NAVAIR Commitment**
- **Overall Support to SNT Initiati**

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Summary

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- SNT Project well underway
- Aviation Implementation Plan rollout
  - NAVAIR/NAVSUP Joint Effort
  - Parts marking by Type Model Series of A/C underway
- SNTS Web Application on line – accessing live data
  - Decision Support and Reliability Modules
- ICP Initiatives
- Concerns/issues